

FORM PTO-1449		Atty Docket: BVL-105		Serial No.: 09/233,443			
INFORMATION DISCLOSURE CITATION (modified)		Applicant: van Lengerich					
		Filing Date: January 20, 1999		Group: 1761			
<b>U.S. PATENT DOCUMENTS</b>							
Examiner Initial	Document Number	Date	Name	Class	Sub-Class	Filing Date	
	4,106,991	August 1978	Markussen et al.				
	4,242,219	December 1980	Bogerman et al.				
	4,689,235	August 1987	Barnes et al.				
	5,087,461	February 1992	Levine et al.				
	5,183,690	February 1993	Carr et al.				
	5,514,387	May 1996	Zimmerman et al.				
	5,820,903	October 1998	Fleury et al.				
<b>FOREIGN PATENT DOCUMENTS</b>							
Examiner Initial	Document Number	Date	Country	Class	Sub-Class	Translation Yes   No	
	15,312	March 23, 1911	Great Britain				
	WO 92/00140	Jan. 9, 1992	WIPO				
	WO 92/12645	Aug. 6, 1992	WIPO				
	WO 94/23593	Oct. 27, 1994	WIPO				
	WO 95/00121	Jan. 5, 1995	WIPO				
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
	Per Artusson et al., "Characterization of Polyacryl Starch Microparticles as Carriers for Proteins and Drugs," <i>Journal of Pharmaceutical Science</i> , Vol. 73, No. 11, pps. 1507-1513 (Nov. 1984)						
	Lennart Randen et al., "Coprecipitation of Enzymes with Water Soluble Starch -- An Alternative to Freeze-drying," <i>J. Pharm. Pharmacol.</i> , Vol. 40, pps. 763-766 (1988)						
	Shigeaki Maruo et al., "Effects of Moranoline, 4-O- $\alpha$ -D-Glucopyranosylmoranoline and Their N-Substituted Derivatives on Thermostability of Cyclodextrin Glycosyltransferase, Glucoamylase, and $\beta$ -Amylase," <i>Biosci. Biotech. Biochem.</i> , Vol. 57, No. 8, pps. 1294-1298, (1993)						
	Wendell Q. Sun et al., "Protein stability in the amorphous carbohydrate matrix: relevance to anhydrobiosis," <i>Biochimica et Biophysica Acta</i> , Vol. 1425, pps. 245-254 (1998)						

Examiner:	Date Considered: 6/01
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Serial No. 09/233,443

INFORMATION DISCLOSURE  
CITATION  
(modified)

Applicant: van Lengerich

Filing Date: January 20, 1999

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## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Sub-Class	Filing Date
7	5,952,033	September 1999	Anantharaman et al.			
7	5,972,404	October 1999	van Lengerich	1		
7	5,972,415	October 1999	Brassart et al.			
7	6,004,594	December 1999	van Lengerich			
7	5,079,012	January 1992	Lengerich et al.			
7	3,962,416	June 1976	Katzen			
7	3,786,123	January 1974	Katzen			
7	5,466,460	November 1995	McMahon et al.			
7	4,999,208	March 1991	Lengerich et al.			
7	5,071,668	December 1991	van Lengerich et al.			

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## FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Sub-Class	Translation Yes	No
7	WO 95/18544	July 13, 1995	WIPO				
7	WO 97/16076	May 9, 1997	WIPO				
7	WO 97/39116	Oct. 23, 1997	WIPO				
7	WO 98/18610	May 7, 1998	WIPO				
7	WO 98/54980	Dec. 10, 1998	WIPO				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

7	Colonna et al., "Extrusion Cooking of Starch & Starchy Products," <i>Extrusion Cooking</i> , C. Mercier, et al. AACC, St. Paul, MN (1989), pps. 247-319
7	Meuser et al., "A Systems Analytical Approach To Extrusion," <i>Food Extrusion Science &amp; Technology</i> , ed. J. Kokini, Dekker Publ. (1992), pps. 619-630

Examiner:

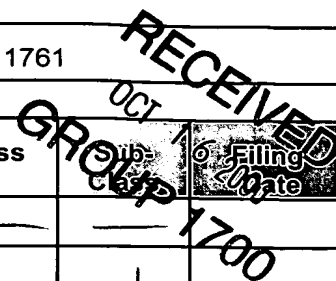
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U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Sub- Class	Filing Date
<i>m</i>		5,075,058	December 1991	Chan et al.	—	—	
<i>l</i>		3,404,984	October 1968	Olsen	<i>l</i>	<i>l</i>	
		4,888,171	December 1989	Okonogi et al.	<i>l</i>	<i>l</i>	
<i>2</i>		3,027,102	March 1962	Lödige et al.	—	—	
FOREIGN PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Country	Class	Sub- Class	Translation Yes   No
<i>m</i>		EP 0 465 364 A1	Jan. 8, 1992	EPO	—	—	
<i>l</i>		EP 0 462 012 A2	Dec. 18, 1991	EPO	<i>l</i>	<i>l</i>	
		WO 92/00130	Jan. 9, 1992	WIPO	<i>l</i>	<i>l</i>	
		WO 95/26752	Oct. 12, 1995	WIPO	<i>l</i>	<i>l</i>	
<i>2</i>		WO 85/04074	Sept. 26, 1985	WIPO	—	—	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							



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U.S. Department of Commerce  
Patent and Trademark OfficeAttorney Docket No.  
BVL-105

Serial No. 09/233,443

**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

Applicant: van Lengerich

Filing Date:  
January 20, 1999

Group Art Unit: 1617

**U.S. PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
J	2,876,160	03/03/59	Schoch et al.	—	—	
	3,868,471	02/25/75	Decelles et al.	1	1	
	3,922,354	11/25/75	Galluzzi et al.	1	1	
	4,178,392	12/11/79	Gobble et al.	1	1	
	4,532,145	07/30/85	Saleeb et al.	—	—	

**FOREIGN PATENT DOCUMENTS**

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
J	91 03940	04/04/91	WO	—	—		
J	96 09773	04/04/96	WO	1	1		
	40 21 678	01/09/92	DE	1	1		X
J	96 14058	05/17/96	WO	—	—		

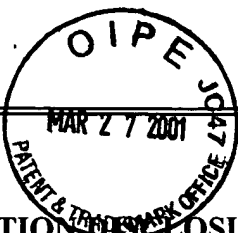
**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)


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Serial No. 09/233,443

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(Use several sheets if necessary)

Applicant: van Lengerich

Filing Date:  
January 20, 1999

Group Art Unit: 1617

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
M	6,190,591	02/20/01	van Lengerich			

## FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation Yes N

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


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